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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,520	09/22/2003	Jae Ho Lee	P69149US0	5859

7590 12/08/2004

LAW OFFICES OF JACOBSON HOLMAN  
400 SEVENTH STREET, N.W.  
WASHINGTON, DC 20004

EXAMINER
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SANDY, ROBERT JOHN

ART UNIT	PAPER NUMBER
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3677

DATE MAILED: 12/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

P.O.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/666,520	LEE ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Robert J. Sandy	3677	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 22 September 2003.
- 2a) This action is **FINAL**.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) 1-5 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 22 September 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>2/20/2004</u> | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### **Ex Parte Quayle**

This application is in condition for allowance except for the following formal matters:

Claims 1 through 5 are objected to because of the following informalities:

In claim 1, line 23, recitation of “the terminal portion” is not consistent with the “plurality of terminal portions” established in line 21. A proper phrase may have been intended to be -- each terminal portion --.

In claim 1, line 27, the term “it” is not descriptive, and may have intended to be -- the moving member -- for clarity.

In claim 1, line 30, the term “patterns”

In claim 1, line 32, the phrase “heat-melted” is incomplete and should be changed to -- heat-melted material --.

In claim 1, line 33, the term “portions” should be changed to -- branch -- to be consistent with the page 7, lines 35 and 36.

In claim 1, line 35 (final line), the term “another” should be changed to – other --, since the phrase “each another” is grammatically incorrect.

In claim 5, line 2, there is no antecedent basis for the “second permanent magnet” since a second permanent magnet has not been established in the instant claim 5 and base claim 1.

Appropriate correction is required.

### ***Allowable Subject Matter***

The following is a statement of reasons for the indication of allowable subject matter:

Concerning claim 1, the prior art of record fails to teach or suggest a buckle assembly having the structural combination wherein the frame includes a coupling groove for determining the position to be coupled with the multi-purpose buckle sensor assembly and a coupling surface to be engaged with a hook portion of a base plate and for supporting the ejector on a bottom thereof, supporting the slider against the inner upper surface of an arched supporting beam thereof and pivotally rotating the locking lever at its rear end is characterized in that: a multi-

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purpose buckle sensor assembly comprises a hall sensor portion including a hall sensor and a printed circuit board electrically connected to each other, which are enclosed in one package; the base plate including a metal pattern with a plurality of terminal portions for control signal and power sources of a positive voltage and a negative voltage, each terminal portions having a certain pattern adaptable formed adjacent a terminal block to an electronic circuit, and a supporting plate including a plurality of terminal seats for connecting the connecting ends of control and power lines to the terminal portions; and a movable member including guiding means for freely moving the movable member on the base plate cooperating with the ejector, a first permanent magnet mounted at its center portion and a pair of contact terminals mounted on its lower surface and for being traveled on the metal pattern contacting with it least one of the patterns of the metal pattern; and, a terminal block in the form of a fork having three branches at the front portion and including at least one branch enclosing the connecting ends of the control and power lines electrically coupled to each other with the control terminal portions in corresponding power terminal seats.

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

### *Conclusion*

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert J. Sandy whose telephone number is 703-305-7413. The examiner can normally be reached on M-F (7:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J.J. Swann can be reached on 703-306-4115. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ROBERT J. SANDY  
PRIMARY EXAMINER

Robert J. Sandy  
Primary Examiner  
Art Unit 3677